

California Regional Water Quality Control Board
North Coast Region
5550 Skylane Boulevard, Suite A
Santa Rosa, CA 95403

FACT SHEET

WASTE DISCHARGE REQUIREMENTS
(NPDES PERMIT NO. CA0024571)
I.D. NO. 1B85026RHUM

FOR

FAIRHAVEN POWER COMPANY

Humboldt County

1. Order No. 96-92, adopted by the Regional Water Board on December 5, 1996, establishes Waste Discharge Requirements and serves as a National Pollutant Discharge Elimination System (NPDES) Permit for the Fairhaven Power Company power plant, located at 93 Bay Street, Fairhaven, California.
2. A Report of Waste Discharge was submitted by Fairhaven Power Company (hereinafter permittee) on June 1, 2001, and supplemental information was submitted on January 4, 2002. The action before the Regional Water Board would renew the expired permit. This permit serves to regulate:
 - a. Particulates removed from boiler flue gases by a dust collector and electrical precipitator
 - b. Ash from the boiler
 - c. Blowdown from boilers and cooling towers
 - d. Sanitary sewage from employee restrooms
3. Boiler blowdown, cooling tower blowdown, and demineralizer back flushing is discharged to the Pacific Ocean via the Samoa Pacific Cellulose, LLC, Samoa Pulp Mill ocean outfall, which has an "initial dilution" of 115:1. The effluent line connects to the Samoa Pacific Corporation outfall downstream from Manhole No. 5, which is the monitoring point for the pulp mill. Monitoring data collected by the pulp mill does not reflect any input by Fairhaven Power Company. The average daily flow of wastewater from the permittee is 500,000 gallons per day.
4. Technology-based effluent limitations for the discharge of boiler blowdown and cooling water are established pursuant to 40 CFR 423, which specifies technology-based effluent limit guidelines for steam electric power plants. Effluent limitations applicable to the total effluent have been established pursuant to the *2001 Water Quality Control Plan for Ocean Waters of California* (Ocean Plan), Table B, Objectives for the Protection of Marine Aquatic Life. Pursuant to Section III(G)(2) of the Ocean Plan, water quality based effluent limits were included only for those constituents which are likely to be present in the discharge, based on previous sampling conducted in accordance with the Report of Waste Discharge. The

determination was based on the effluent sampling. The constituents present in the discharge include copper, lead, and zinc.

5. Effluent limitations for copper, lead, zinc, and chronic toxicity were calculated by using Equation 1 from the Ocean Plan, with an initial dilution of 115. The effluent limitation for acute toxicity was calculated using Equation 2 from the Ocean Plan.
6. Receiving water limitations are derived from the Ocean Plan.
7. Monitoring for heavy metals and conventional pollutants is required to be conducted on a quarterly frequency. Pursuant to the Ocean Plan Section III(C)(3)(c)(3), chronic toxicity monitoring is required.
8. Copies of the draft permit may be obtained by contacting the California Regional Water Quality Control Board, North Coast Region, at the address below.
9. For any additional information or questions in this matter, please contact:

Richard Azevedo
Water Resource Control Engineer
California Regional Water Quality Control Board
North Coast Region
5550 Skylane Boulevard, Suite A
Santa Rosa, CA 95403

Telephone No. (707) 576-2679